(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069576 A1

(51) International Patent Classification[7]: H04L 29/06, 12/66

(21) International Application Number: PCT/SE2005/000039

(22) International Filing Date: 17 January 2005 (17.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/536,491 15 January 2004 (15.01.2004) US

(71) Applicant *(for all designated States except US)*: **INTERACTIVE PEOPLE UNPLUGGED AB** [SE/SE]; Box 10160, S-121 28 Stockholm (SE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **LIDÈN, Anders** [SE/SE]; Kilgatan 9, S-931 62 Skellefteå (SE).

(74) Agents: **KÄRN, Ulf** et al.; c/o Groth & Co.KB, Box 6107, S-102 32 Stockholm (SE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

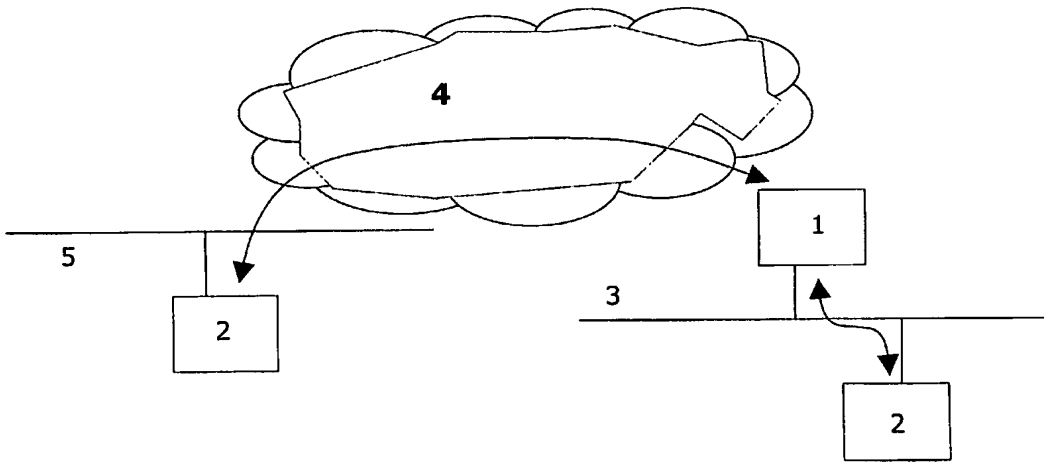
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT,*

[Continued on next page]

(54) Title: A METHOD FOR IPV4 MOBILITY FROM IPV6 NETWORKS



(57) Abstract: The present invention relates to a method for allowing a Mobile IPv4 Mobile Node (2) to communicate from an IPv6 visited network (5), and across IPv6 networks, back to a Mobile IPv4 Home Agent (1), in a Mobile IPv4 Network (4), comprising: - a Mobile Node supporting Mobile IPv4 registration procedures including IPv6 addressing details to support MN - HA communication; - a Home Agent supporting connectivity to both IPv4 and IPv6 networks to facilitate remote access; - tunneling of IPv4 traffic over IPv6 networks from the Mobile Node; - tunneling of Mobile IPv4 traffic over IPv6 networks from the Home Agent.

WO 2005/069576 A1